

## OPTICAL PULSE POSITION MODULATION DISCRIMINATOR

## ABSTRACT

Systems and methods are disclosed herein to provide various  
5 optical techniques. For example, in accordance with an  
embodiment of the present invention, a pulse position modulation  
discriminator architecture is disclosed for discriminating  
temporal positions of PPM-encoded optical pulses by converting  
them from time modulated to frequency modulated signals. As  
10 another example, time division multiplexed optical signals may  
be translated to wavelength division multiplexed optical  
signals. One or more of the architectures disclosed herein may  
be implemented, for example, to provide PPM to FM or time to  
wavelength conversion for receiver or transmitter applications.